

AMENDMENTS TO THE CLAIMS

- Claim 1 (currently amended): A method for acknowledging a wireless data discarding request transmitted by a first station to a second station for requesting the second station to discard at least a layer 2 service data unit (SDU), the method comprising:
- generating a layer 2 data discard acknowledgment protocol data unit (PDU), the layer 2 data discard acknowledgment PDU comprising a first field that enables ensures the first station to determine the number of layer 2 SDUs discarded by the second station; and
- transmitting the layer 2 data discard acknowledgment PDU to the first station.
- 15 Claim 2 (original): A method according to claim 1 wherein each layer 2 SDU to be discarded has a terminating layer 2 PDU that holds a terminating end of the layer 2 SDU, and the first field indicates the number of terminating layer 2 PDUs discarded by the second station.
- 20 Claim 3 (canceled)
- Claim 4 (original): A method according to claim 1 wherein the first field indicates the number of layer 2 PDUs discarded by the second station when discarding the layer 2 SDUs.
- 25 Claim 5 (original): A method according to claim 1 wherein the first field comprises a bitmap that indicates a discard state for each layer 2 SDU to be discarded.
- Claim 6 (original): A method according to claim 1 wherein the layer 2 data discard acknowledgement PDU further comprises a second field for indicating a starting sequence number for an updated receiving window of the second station, and a third field for indicating discarding of layer 2 SDU data within a PDU having the

starting sequence number.

Claim 7 (original): A method according to claim 1 wherein the first station comprises a layer 2 interface and a layer 3 interface, and the first field in the layer 2 acknowledgment PDU enables the layer 2 interface to inform the layer 3 interface of the number of layer 2 SDUs discarded by the second station.
5

Claim 8 (currently amended): A wireless communications system comprising:
a first station capable of transmitting a data discarding request, the data
discarding request being used to request discarding of at least a layer 2
10 service data unit (SDU); and
a second station capable of receiving the data discarding request and sending a
layer 2 data discard acknowledgment protocol data unit (PDU), the layer 2
data discard acknowledgment PDU comprising a first field that ~~enables~~
15 ensures the first station to determine the number of layer 2 SDUs discarded
by the second station.

Claim 9 (original): A wireless communications system according to claim 8 wherein
each layer 2 SDU to be discarded has a terminating layer 2 PDU that holds a
20 terminating end of the layer 2 SDU, and the first field indicates the number of
terminating layer 2 PDUs discarded by the second station.

Claim 10 (canceled)

25 Claim 11 (original): A wireless communications system according to claim 8 wherein
the first field indicates the number of layer 2 PDUs discarded by the second
station when discarding the layer 2 SDUs.

Claim 12 (original): A wireless communications system according to claim 8 wherein
30 the first field comprises a bitmap that indicates a discard state for each layer 2
SDU to be discarded.

Claim 13 (original): A wireless communications system according to claim 8 wherein
the layer 2 data discard acknowledgement PDU further comprises a second field
for indicating a starting sequence number for an updated receiving window of the
second station, and a third field for indicating discarding of layer 2 SDU data
5 within a layer 2 PDU having the starting sequence number.

Claim 14 (original): A wireless communications system according to claim 8 wherein
the first station comprises a layer 2 interface and a layer 3 interface, and the first
field in the layer 2 data discard acknowledgement PDU enables the layer 2
10 interface to inform the layer 3 interface of the number of layer 2 SDUs discarded
by the second station.

Claim 15 (new): A method for acknowledging a wireless data discarding request
transmitted by a first station to a second station for requesting the second station
15 to discard at least a layer 2 service data unit (SDU), the method comprising:
generating a layer 2 data discard acknowledgment protocol data unit
(PDU), the layer 2 data discard acknowledgment PDU comprising a
first field that ensures the first station to determine layer 2 SDUs
discarded by the second station; and
20 transmitting the layer 2 data discard acknowledgment PDU to the first
station.

Claim 16 (new): A method according to claim 15 wherein the first field comprises a
bitmap that indicates a discard state for each layer 2 SDU to be discarded.

25 Claim 17 (new): A wireless communications system comprising:
a first station capable of transmitting a data discarding request, the data
discarding request being used to request discarding of at least a layer 2
service data unit (SDU); and
30 a second station capable of receiving the data discarding request and sending a
layer 2 data discard acknowledgment protocol data unit (PDU), the layer 2
data discard acknowledgment PDU comprising a first field that ensures the

first station to determine layer 2 SDUs discarded by the second station.

Claim 18 (new): A wireless communications system according to claim 17 wherein the
first field comprises a bitmap that indicates a discard state for each layer 2 SDU
5 to be discarded.